



NMEA-0183 buffer-splitter-multiplier

NM-251A is a two channel NMEA-0183 input / four or five channels NMEA-0183 output multiplier.

It enables data distribution from two NM-0183 sources (primary and secondary with priority encoding) to all NMEA-0183 instruments through four or five RS-422 or TTL talker ports and an I/O RS-232.

NM-251A is certified to IEC 60945 for use on-board SOLAS vessels.

Typical applications include the interconnection of navigation instruments like ECDIS, ECS, VDR, SVDR, Radars, VHF's, Conning-Monitoring systems, etc.

Specifications

Supply Voltage	9 to 35 Vdc
Power Supply Protection	PTC Resettable Fuse Vmax: 60V, Imax: 40A, Ihold: 0,25A (23°C), Itrip:0,5A (23°C), Max time to trip (23°C): 2,2sec for 1,25A
Current Consumption	50mA in idle state / 150mA in full output mode
Inputs	2 x NMEA-0183, optically isolated Common Mode Rejection: 10kV/usec, Isolation: 480 Vrms
Input Resistance	1 kOhm
Outputs	4 x buffered RS-422/TTL (general purpose) 1 x RS-232 1 x RS-422 signal conversion from RS-232 RXD channel or as fifth output
Output protection	Buffered for all RS-422 outputs
Speed for NMEA inputs	4.800/8/N/1 when input priority encoding mode is selected Same as listeners connected to output ports when Ina to Out1/2 and Inb to Out3/4 mode is selected
Speed for NMEA outputs	4.800/8/N/1 when input priority encoding mode is selected Same as listeners connected to output ports when Ina to Out 1/2 and Inb to Out 3/4 mode is selected 4.800/8/N/1 for RS-232 or baud rate free user selectable
Indicators	Most Significant Input (Ina) Less Significant Input (Inb) Data transmission from output ports 1 and 2 (Out 1/2 LED) Data transmission from output ports 3 and 4 (Out 3/4 LED) Data reception from RS-232 interface or output 5 port (Out 5 LED)
Dimensions	Width = 110mm/134,80 mm Depth = 82 mm Height = 43 mm
Housing	Styrene

Approvals



nuova marea ltd
marine electronics & design

26, Myrtidiotissis str., Kastella
185 33 Pireus, Greece
Tel.: +30 210 41 34 628
+30 210 41 34 698
Fax: +30 210 41 34 814

web: www.nuovamarea.com
e-mail: sales@nuovamarea.com